

GenCore version 5.1.4_p5_4578
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OM nucleic - nucleic search, using sw model

Run on: March 11, 2003, 00:05:17 ; Search time 40.1318 Seconds
(without alignments)
236.894 Million cell updates/sec

Title: US-09-913-524-34
Perfect score: 31
Sequence: 1 atcattgctcccttgatcatgcacaaact 31

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	31	100.0	1633	1	US-08-197-792-42
2	31	100.0	1633	1	US-08-459-850-42
3	31	100.0	1633	1	US-08-459-214-42
4	23	74.2	3588	1	US-08-197-792-32
5	23	74.2	3588	1	US-08-459-850-32
6	23	74.2	3588	1	US-08-459-214-32
7	21.4	69.0	1667	1	US-08-455-550-1
8	19.8	63.9	406	1	US-07-764-731B-5
9	19.8	63.9	406	1	US-08-163-877-7
10	19.8	63.9	406	1	US-08-360-914B-7
11	19.8	63.9	406	1	US-08-741-589A-7
12	19.8	63.9	406	5	PCT-US94-13181-7
13	19.8	63.9	497	4	US-08-868-452-43
14	19.8	63.9	894	1	US-07-764-731B-3
15	19.8	63.9	894	6	5187076-3
16	19.8	63.9	2923	1	US-08-377-292-6
17	19.8	63.9	2923	2	US-07-989-847-7
18	19.8	63.9	2923	4	US-08-469-411-7
19	19.8	63.9	2923	6	5187076-5
20	19	61.3	5741	1	US-07-706-699-4
21	19	61.3	5741	1	US-07-998-931-4
22	18.8	60.6	99	1	US-07-967-262-1
23	18.8	60.6	509	4	US-09-385-982-43
c 24	18.8	60.6	1164	4	US-09-134-001C-2199
c 25	18.8	60.6	1628	3	US-09-147-522-3
26	18.8	60.6	3315	4	US-09-221-017B-76
c 27	18.8	60.6	5000	3	US-09-147-522-5

c 28 18.6 60.0 111282 4 US-09-754-250-3 Sequence 3, Appli
c 29 18.6 60.0 112132 4 US-09-741-150-3 Sequence 3, Appli
30 18.4 59.4 1938 4 US-09-232-200-29 Sequence 29, Appli
31 18.4 59.4 1938 4 US-09-232-197-29 Sequence 29, Appli
32 18.4 59.4 1938 4 US-09-232-201-29 Sequence 29, Appli
33 18.4 59.4 3217 4 US-09-232-200-64 Sequence 64, Appli
34 18.4 59.4 3217 4 US-09-232-197-64 Sequence 64, Appli
35 18.4 59.4 3217 4 US-09-232-201-64 Sequence 64, Appli
36 18.4 59.4 9046 1 US-08-237-536-1 Sequence 1, Appli
37 18.4 59.4 9046 5 PCT-US95-04682-1 Sequence 1, Appli
38 18.2 58.7 337 4 US-08-868-452-29 Sequence 29, Appli
39 18.2 58.7 339 1 US-08-470-837-29 Sequence 29, Appli
40 18.2 58.7 1524 1 US-08-197-792-34 Sequence 34, Appli
41 18.2 58.7 1524 1 US-08-459-850-34 Sequence 34, Appli
42 18.2 58.7 1524 1 US-08-459-214-34 Sequence 24, Appli
43 18.2 58.7 1873 1 US-07-841-646-24 Sequence 8, Appli
44 18.2 58.7 1873 1 US-07-901-703-8 Sequence 24, Appli
45 18.2 58.7 1873 1 US-08-147-023-24

ALIGNMENTS

RESULT 1

US-08-197-792-42
; Sequence 42, Application US/08197792
; Patent No. 5525488

GENERAL INFORMATION:

; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibi
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080

COMPUTER READABLE FORM:

; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/197,792
; FILING DATE: 16-FEB-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 297P2D4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881

; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1633 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-197-792-42

Query Match 100.0%; Score 31; DB 1; Length 1633;
Best Local Similarity 100.0%; Pred. No. 7.6e-05;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATTGCTCCCTCGCTATCATGCCAACT 31
|||||
Db 1251 ATCATTGCTCCCTCGCTATCATGCCAACT 1281

RESULT 2

US-08-459-850-42
; Sequence 42, Application US/08459850
; Patent No. 5665368

; GENERAL INFORMATION:

; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
; TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
; TITLE OF INVENTION: Using such Nucleic Acid
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,850
; FILING DATE: 02-JUN-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/197792
; FILING DATE: 17-FEB-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 06/783910

; FILING DATE: 03-OCT-1985

; ATTORNEY/AGENT INFORMATION:

; NAME: Hasak, Janet E.

; REGISTRATION NUMBER: 28,616

; REFERENCE/DOCKET NUMBER: 297P2D5

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415/225-1896

; TELEFAX: 415/952-9881

; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:

; LENGTH: 1633 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-459-850-42

Query Match 100.0%; Score 31; DB 1; Length 1633;
Best Local Similarity 100.0%; Pred. No. 7.6e-05;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATTGCTCCCTCGCTATCATGCCAACT 31
|||||
Db 1251 ATCATTGCTCCCTCGCTATCATGCCAACT 1281

RESULT 3

US-08-459-214-42
; Sequence 42, Application US/08459214
; Patent No. 5716810

; GENERAL INFORMATION:

; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
; TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polype
; TITLE OF INVENTION: Using such Nucleic Acid
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,214
; FILING DATE: 02-JUN-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/197792
; FILING DATE: 17-FEB-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985

; ATTORNEY/AGENT INFORMATION:

; NAME: Hasak, Janet E.

; REGISTRATION NUMBER: 28,616

; REFERENCE/DOCKET NUMBER: 297P2D6

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415/225-1896

; TELEFAX: 415/952-9881

; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1633 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-459-214-42

Query Match 100.0%; Score 31; DH 1; Length 1633;
Best Local Similarity 100.0%; Pred. No. 7.6e-05;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATGTCCTCCCTGCTATCATGCGCAACT 31
|||||
DB 1251 ATCATGTCCTCCCTGCTATCATGCGCAACT 1281

RESULT 4

US-08-197-792-32
; Sequence 32, Application US/08197792
; Patent No. 5525488

; GENERAL INFORMATION:

; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/197,792
; FILING DATE: 16-FEB-1994
; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985

; ATTORNEY/AGENT INFORMATION:

; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 297P2D4

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881

; INFORMATION FOR SEQ ID NO:

; 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3588 bases
; TYPE: nucleic acid

; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-197-792-32

Query Match 74.2%; Score 23; DB 1; Length 3588;
Best Local Similarity 83.9%; Pred. No. 0.3;
Matches 26; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCATGTCCTCCCTGCTATCATGCGCAACT 31
|||||
DB 1042 AICATGTCCTCCCTGCTATCATGCGCAACT 1072

RESULT 5

US-08-459-850-32
; Sequence 32, Application US/08459850
; Patent No. 5665568

; GENERAL INFORMATION:

; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
; TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polype
; TITLE OF INVENTION: Using such Nucleic Acid
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,850
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/197792
; FILING DATE: 17-FEB-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985

; ATTORNEY/AGENT INFORMATION:

; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 297P2D5

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881

; INFORMATION FOR SEQ ID NO:

; 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3588 bases
; TYPE: nucleic acid


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RESULT 8
US-07-764-731B-5
; Sequence 5, Application US/07764731B
; Patent No. 5366875
; GENERAL INFORMATION:
; APPLICANT: Rosen, Vicki A.
; APPLICANT: Wang, Elizabeth A.
; APPLICANT: Wozney, John M.
; TITLE OF INVENTION: Methods for Producing BMP-7 Proteins
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Legal Affairs, Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07764,731B
; FILING DATE: 19910924
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Kaplanos, Ellen J.
; REGISTRATION NUMBER: 32,245
; REFERENCE/DOCKET NUMBER: G15159B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-876-1170
; TELEFAX: 617-876-3851
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 400 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; FRAGMENT TYPE: C-terminal
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; CELL LINE: U2-OS Osteosarcoma
; IMMEDIATE SOURCE:
; LIBRARY: U2-OS human osteosarcoma cDNA library
; CLONE: U2-7
; POSITION IN GENOME:
; UNITS: bp
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..399
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..400
; FEATURE:
; NAME/KEY: mRNA
; LOCATION: 1..400
US-07-764-731B-5
Query Match 63.9%; Score 19.8; DB 1; Length 400;
Best Local Similarity 77.4%; Pred. No. 5;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
QY 1 ATCATGTCCTCTGCTATCATGCCAACT 31
||||| ||| ||||| ||||| |
Db 145 ATCATGCCCAAGGGCTATGCTGCCAATT 175

RESULT 9
US-08-163-877-7
; Sequence 7, Application US/08360914B
; Patent No. 5756308
; GENERAL INFORMATION:
; APPLICANT: Neil M. Wolfman and John McCoy
; TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc - Legal Affairs
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; Sequence 7, Application US/08163877
; Patent No. 539677
; GENERAL INFORMATION:
; APPLICANT: McCoy, John
; APPLICANT: Murray, Beth
; APPLICANT: Wolfman, Neil
; TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc - Legal Affairs
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/163,877
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Lazar, Steven R.
; REGISTRATION NUMBER: 32,618
; REFERENCE/DOCKET NUMBER: GI 5219
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617 876-1170 x 8260
; TELEFAX: 617 876-5851
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 406 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:
; ORGANISM: bmp-6
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..396
US-08-163-877-7
Query Match 63.9%; Score 19.8; DB 1; Length 406;
Best Local Similarity 77.4%; Pred. No. 5;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
QY 1 ATCATGTCCTCTGCTATCATGCCAACT 31
||||| ||| ||||| ||||| |
Db 145 ATCATGCCCAAGGGCTATGCTGCCAATT 175

RESULT 10
US-08-360-914B-7
; Sequence 7, Application US/08360914B
; Patent No. 5756308
; GENERAL INFORMATION:
; APPLICANT: Neil M. Wolfman and John McCoy
; TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc - Legal Affairs
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/360,914B
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/163,877
; FILING DATE: December 7, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Lazar, Steven R.
; REGISTRATION NUMBER: 32,618
; REFERENCE/DOCKET NUMBER: GI 5219B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617 498-8260
; TELEFAX: 617 876-5851
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 406 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; ORGANISM: bmp-6
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..396
; US-08-360-914B-7
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Query Match 63.9%; Score 19.8; DB 1; Length 406;
Best Local Similarity 77.4%; Pred. No. 5;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
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QY 1 ATCATGCTCCCTCTGGCTATCATGCCCAACT 31
||||| ||| ||||| ||||| |
Db 145 ATCATGCCACCAAGGCTATGCTGCCAATT 175
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RESULT 11
; Sequence 7, Application US/08/741589A
; Patent No. 580416
; GENERAL INFORMATION:
; APPLICANT: Neil M. WOLFMAN and John MCCOY
; TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc - Legal Affairs
; STREET: 87 Cambridgepark Drive
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/741,589A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/163,877
; FILING DATE: December 7, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Lazar, Steven R.
; REGISTRATION NUMBER: 32,618
; REFERENCE/DOCKET NUMBER: GI 5219B-DIV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617 498-8260
; TELEFAX: 617 876-5851
; INFORMATION FOR SEQ ID NO: 7:
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; SEQUENCE CHARACTERISTICS:
; LENGTH: 406 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; ORGANISM: bmp-6
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..396
; US-08-741-589A-7
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Query Match 63.9%; Score 19.8; DB 1; Length 406;
Best Local Similarity 77.4%; Pred. No. 5;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
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QY 1 ATCATGCTCCCTCTGGCTATCATGCCCAACT 31
||||| ||| ||||| ||||| |
Db 145 ATCATGCCACCAAGGCTATGCTGCCAATT 175
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RESULT 12
PCT-US94-13181-7
; Sequence 7, Application PC/TUS9413181
; GENERAL INFORMATION:
; APPLICANT: GENETICS INSTITUTE, INC.
; TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc - Legal Affairs
; STREET: 87 Cambridgepark Drive
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/13181
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/163,877
; FILING DATE: December 7, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Lazar, Steven R.
; REGISTRATION NUMBER: 32,618
; REFERENCE/DOCKET NUMBER: GI 5219-PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617 498-8260
; TELEFAX: 617 876-5851
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 406 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; ORGANISM: bmp-6
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..396
; PCT-US94-13181-7
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Query Match 63.9%; Score 19.8; DB 5; Length 406;
Best Local Similarity 77.4%; Pred. No. 5;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
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Qy 1 ATCATGTCCCTCTGGCTATCATGCCAACT 31
Db 145 ATCATGACCAAGGCGCTATGTCGCAATT 175

RESULT 13
US-08-868-452-43
; Sequence 43, Application US/0868452C
; Patent No. 6352972
; GENERAL INFORMATION:
; APPLICANT: Marcel E. Nimmi
; APPLICANT: Frederick L. Hall
; APPLICANT: Lingtao Wu
; APPLICANT: Bo Han
; APPLICANT: Edwin Shors
; TITLE OF INVENTION: BONE MORPHOGENETIC PROTEINS AND THEIR
; FILE REFERENCE: 17972-11
; CURRENT APPLICATION NUMBER: US/08/868,452C
; CURRENT FILING DATE: 1997-06-03
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 43
; LENGTH: 497
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(417)
US-08-868-452-43

Query Match 63.9%; Score 19.8; DB 4; Length 497;
Best Local Similarity 77.4%; Pred. No. 5.2;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATCATGTCCCTCTGGCTATCATGCCAACT 31
Db 166 ATCATGACCAAGGCGCTATGTCGCAAIT 196

RESULT 14
US-07-764-731B-3
; Sequence 3, Application US/07764731B
; Patent No. 5366875
; GENERAL INFORMATION:
; APPLICANT: Rosen, Vicki A.
; APPLICANT: Woad, Elizabeth A.
; APPLICANT: Wozney, John M.
; TITLE OF INVENTION: Methods for Producing BMP-7 Proteins
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Legal Affairs, Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/764,731B
; FILING DATE: 19910924
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Kapinos, Ellen J.
; REGISTRATION NUMBER: 32,245
; REFERENCE/DOCKET NUMBER: G15159B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-876-1170
; TELEFAX: 617-876-5851

; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 894 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; FRAGMENT TYPE: C-terminal
; ORIGINAL SOURCE:
; ORGANISM: Bos taurus
; TISSUE TYPE: Fetal long bone
; IMMEDIATE SOURCE:
; LIBRARY: Bovine bone cDNA library
; CLONE: HEL16
; POSITION IN GENOME:
; UNITS: bp
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..669
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 250..666
; FEATURE:
; NAME/KEY: mRNA
; LOCATION: 1..894
US-07-764-731B-3

Query Match 63.9%; Score 19.8; DB 1; Length 894;
Best Local Similarity 77.4%; Pred. No. 5.9;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATCATGTCCCTCTGGCTATCATGCCAACT 31
Db 415 ATCATGCCCCAAGGCGTACGCTGCCAACT 445

RESULT 15
5187076-3
; Patent No. 5187076
; APPLICANT: WOZNEY, JOHN M.; WANG, ELIZABETH A.; ROSEN, VICKI A.;
; CELESTE, ANTHONY J.
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BMP-6 PROTEINS
; NUMBER OF SEQUENCES: 16
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/490,033
; FILING DATE: 07-MAR-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 370,544
; FILING DATE: 23-JUN-1989
; APPLICATION NUMBER: 347,559
; FILING DATE: 04-MAY-1989
; APPLICATION NUMBER: 329,610
; FILING DATE: 28-MAR-1989
; APPLICATION NUMBER: 179,100
; FILING DATE: 08-APR-1988
; APPLICATION NUMBER: 179,101
; FILING DATE: 08-APR-1988
; APPLICATION NUMBER: 179,197
; FILING DATE: 08-APR-1988
; APPLICATION NUMBER: 28,285
; FILING DATE: 20-MAR-1987
; APPLICATION NUMBER: 31,346
; FILING DATE: 26-MAR-1987
; APPLICATION NUMBER: 943,322
; FILING DATE: 17-DEC-1986
; APPLICATION NUMBER: 880,776
; FILING DATE: 01-JUL-1986
; SEQ ID NO: 3;
; LENGTH: 894
5187076-3

Query Match 63.9%; Score 19.8; DB 6; Length 894;

Best Local Similarity 77.4%; Pred. No. 5.9;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
QY 1 ATCATTTGCTCCCTCTGGGTATCATGCCAACT 31
Db ||||||| ||| |||| ||||||
415 ATCATTTGCCCCCAAGGGGTACGCTGCCAACT 445
Search completed: March 11, 2003, 10:29:08
Job time : 42.1318 secs